



New Standards & Editions

B311-02, 2nd edition

Safety Code for Manlifts \$70

This standard specifies minimum requirements for designing, constructing, installing, operating, testing, inspecting, altering, and maintaining permanently installed manlifts for the vertical transportation of authorized personnel and, where authorized, their tools and equipment. Such manlifts are typically installed in structures such as grain elevators, radio antennas, bridge towers, underground facilities, dams, power plants, pulp mills, and similar structures.

CAN/CSA-C22.2 No. 60601-1-1:02, 2nd edition (bilingual standard)

Medical Electrical Equipment—Part 1-1: General Requirements for Safety—Collateral Standard: Safety Requirements for Medical Electrical Systems (Adopted IEC 60601-1-1:2000) \$85

This standard applies to the safety of medical electrical systems (as defined in the standard). It describes the safety requirements necessary to provide protection for the patient, the operator, and the surroundings.

CAN/CSA-C22.2 No. 60601-1-4:02, 1st edition (bilingual standard)

Medical Electrical Equipment—Part 1-4: General Requirements for Safety—Collateral Standard: Programmable Electrical Medical Systems (Adopted IEC 60601-1-4:1996, including Amendment 1:1999) \$125

This collateral standard applies to the safety of medical electrical equipment and medical electrical systems incorporating programmable electronic subsystems (PESS). These systems are referred to as programmable electrical medical systems (PEMS).

Some systems that incorporate software and that are used for medical purposes (such as many medical informatics systems) are outside the scope of this standard. The distinguishing factor is whether the system satisfies the definition of *medical electrical equipment* in 2.2.15 of IEC 60601-1 or of *medical electrical system* in 2.203 of IEC 60601-1-1.

This standard specifies requirements for the process by which a PEMS is designed. It also serves as the basis of requirements of particular standards, including serving as a guide to safety requirements for the purpose of reducing and managing risk.

CAN/CSA-C22.2 No. 60601-2-30:02, 2nd edition

Medical Electrical Equipment—Part 2-30: Particular Requirements for the Safety, Including Essential Performance, of Automatic Cycling Non-Invasive Blood Pressure Monitoring Equipment (Adopted IEC 60601-2-30:1999) \$75

This standard specifies requirements for the safety, including essential performance, of automatic cycling, non-invasive blood pressure monitoring equipment. The equipment may be attended or unattended. This standard does not apply to blood pressure measuring equipment that uses finger transducers, or to semi-automatic blood pressure measuring equipment, typically in which each determination needs to be initiated manually.

CAN/CSA-C22.2 No. 60601-2-34:02, 2nd edition

Medical Electrical Equipment—Part 2-34: Particular Requirements for the Safety, Including Essential Performance, of Invasive Blood Pressure Monitoring Equipment (Adopted IEC 60601-2-34:2000) \$85

This standard applies to invasive blood pressure monitoring and measuring equipment. It does not apply to catheter tubing, catheter needles, Luer locks, taps, and tap tables.

Z317.11-02, 2nd edition

Area Measurement for Health Care Facilities \$50

This standard establishes a basic, uniform system of area measurements to facilitate meaningful comparisons between health care facilities throughout Canada, and for executing those procedures that require such measurements (for example, space programming, design, administration, and funding of capital programs). The measurement techniques apply to both existing buildings and new construction.

Nouvelles parutions en français

CAN/CSA-C22.2 n° 60601-1-1:02, 2^e édition (norme bilingue)

Appareils électromédicaux—Partie 1-1 : Règles générales de sécurité—Norme collatérale : Règles de sécurité pour systèmes électromédicaux (norme CEI 60601-1-1:2000 adoptée) 85 \$

Cette norme s'applique à la sécurité des systèmes électromédicaux, tels qu'ils sont définis en 2.201. Elle décrit les règles de sécurité nécessaires pour assurer la protection du patient, de l'opérateur et de l'environnement.



Nouvelles parutions (suite)

CAN/CSA-C22.2 n° 60601-1-4:02, 1^{re} édition
(norme bilingue)

Appareils électromédicaux—Partie 1-4 :
Règles générales de sécurité—Norme collatérale :
Systèmes électromédicaux programmables
(norme CEI 60601-1-4:1996 adoptée,
y compris la modification 1:1999) 125 \$

La présente norme collatérale traite de la sécurité des appareils électromédicaux et des systèmes électromédicaux comprenant des sous-systèmes électroniques programmables (SSEP), appelés systèmes électromédicaux programmables (SEMP) dans la suite du texte.

Note. Certains systèmes qui comportent un logiciel et sont utilisés pour des besoins médicaux ne sont pas dans le domaine d'application de la présente norme collatérale, comme c'est le cas de plusieurs systèmes d'informatique médicale. Le facteur/critère de distinction est la conformité ou non-conformité du système à la définition de l'appareil électromédical en 2.2.15 de la CEI 60601-1 ou à la définition du système électromédical en 2.203 de la CEI 60601-1-1.

La présente norme collatérale fixe les prescriptions à suivre lors de la conception d'un SEMP. Elle fournit aussi la base des prescriptions des normes particulières en servant de guide pour les exigences de sécurité visant à réduire et à gérer les risques.

Modifications publiées en français

B335-94

Formation des caristes

Des modifications ont été apportées à la Table des matières, et aux articles 2.1, 4.2.3, 4.2.6, 4.2.7, 4.2.8, 4.3.6, 4.3.7 et 4.4. L'article 1.3, le chapitre 7 et l'appendice A ont été ajoutés.

Proposed New Projects

For more information about the proposed development of the following new projects, contact Ian Brodie at 416-747-2670 or ian.brodie@csa.ca:

- **B651, 3rd edition**
Barrier-Free Design
- **B651.2, 1st edition**
Barrier-Free Dispensing Machines

For more information about the proposed development of the following new projects, contact Kevin MacKenzie at 416-747-2496 or kevin.mackenzie@csa.ca:

- **D113.2, 2nd edition**
Cyclists Helmets
- **ISO/EN 10256, New Standard**
Head and Face Protection for Ice Hockey Players
- **Z94.5, 2nd edition**
Non-prescription Sunglasses
- **Z764, 2nd edition**
Guide to Public Involvement

Drafts

Please note: Public comments about draft standards and proposed amendments listed in this issue are due by October 7, 2002.

To receive copies of the following draft standards, or to offer comments, contact Kevin MacKenzie at 416-747-2496 or kevin.mackenzie@csa.ca:

- **Z614, 3rd edition**
Children's Playspaces and Equipment
- **Z731, 3rd edition**
Emergency Preparedness

Reaffirmed Standards

CAN/CSA-M663-92 (R2002)
Seven-Pin Electrical Connector and Cable for Agricultural Towing/Towed Equipment

CAN/CSA-M4254.4-M92 (R2002)
Machinery for Forestry—Winches—Technical Means for Ensuring Safety

CAN/CSA-M5675-92 (R2002)
Agricultural Tractors and Machinery—General Purpose Quick-Action Hydraulic Couplers

CAN/CSA-M6682-M91 (R2002)
Zones of Comfort and Reach for Controls—Machinery (EMM, FM)

CAN/CSA-M6683-92 (R2002)
Seat Belts and Anchorages—Machinery (EMM, FM)

CAN/CSA-M6816-92 (R2002)
Machinery for Forestry—Winches—Classification and Nomenclature



Proposed Reaffirmation of Standards

For more information about the proposed reaffirmation of the following standards, contact Kevin MacKenzie at 416-747-2496 or kevin.mackenzie@csa.ca:

- **CAN/CSA-D113.2-M89 (R2001)**
Cycling Helmets
- **Z94.5-95 (R2001)**
Non-prescription Sunglasses

Proposed Withdrawal of Standards

For more information about the proposed withdrawal of the following standard, contact Dave Shanahan at 416-747-2586 or dave.shanahan@csa.ca:

- **Z433-M92 (R1997)**
Portable Gas Monitors

Certification Notices

Please note: ▶ Notices marked with an arrowhead are new in this issue.

Effective Date	Subject	Title
February 21, 2003	Publication of Technical Information Letter (TIL) No. MHC-08, covering interim certification requirements for electromechanical lifting devices for persons.	Health Care Equipment No. 12

Status of CSA Standards Projects

TYPE: ns *new standard*; ne *new edition*; spec *special publication*; p *preliminary standard*.

STATUS: 1 *The project is under initial evaluation.*

2 *The technical content is being drafted.*

3 *The draft is undergoing an internal quality audit by CSA.*

4 *The publication is being processed for formal letter-ballot approval.*

5 *The approved publication will be for sale within 2–3 months.*

H *The publication is on hold.*

C *The publication has been cancelled. It will be removed from the next status report.*

SUBJECT	NUMBER	TYPE	STATUS
Health Care Technology			
Risk Management Essentials: A Practical Handbook for Implementing ISO 14971 for Medical Device Manufacturers	PLUS 14971	spec	2
Medical Electrical Equipment—			
– Part 2-12: Particular Requirements for the Safety of Lung Ventilators— Critical Care Ventilators	C22.2 No. 60601-2-12	ne	2
– Part 2-13: Particular Requirements for the Safety of Anaesthetic Workstations	C22.2 No. 60601-2-13	ne	5
– Part 2-23: Particular Requirements for the Safety, Including Essential Performance, of Transcutaneous Partial Pressure Monitoring Equipment	C22.2 No. 60601-2-23	ne	5
– Part 2-29: Particular Requirements for the Safety of Radiotherapy Simulators	C22.2 No. 60601-2-29	ne	3

**Status of CSA Standards Projects (cont'd)**

SUBJECT	NUMBER	TYPE	STATUS
Health Care Technology (cont'd)			
Medical Electrical Equipment—			
– Part 2-39: Particular Requirements for the Safety of Peritoneal Dialysis Equipment	C22.2 No. 60601-2-39	ns	3
– Part 2-41: Particular Requirements for the Safety of Surgical Luminaires and Luminaires for Diagnosis	C22.2 No. 60601-2-41	ns	3
– Part 2-45: Particular Requirements for the Safety of Mammographic X-ray Equipment and Mammographic Stereotactic Devices	C22.2 No. 60601-2-45	ne	3
Application of Auditory and Visual Medical Devices	ISO 9703-3	ns	3
Biological Evaluation of Medical Devices—Part 15: Identification and Quantification of Degradation Products from Metals and Alloys	ISO 10993-15	ns	H
Metered Dose Inhaler Spacer Device	Z264.1	ns	4
Medical Supply Units	Z305.8	ns	4
Selection, Use, Maintenance, and Laundering of Reusable Textile Wrappers, Surgical Gowns, and Drapes for Health Facilities	Z314.10	ne	4
Selection and Use of Rigid Sterilization Containers	Z314.14	ne	2
Warehousing, Storage and Transportation of Clean and Sterile Medical Devices	Z314.15	ns	4
Evaluation of Single Use Medical Sharps Containers for Biohazardous and Cytotoxic Waste	Z316.6	ne	4
Infection Control During Construction/Renovation of Health Care Facilities	Z317.13	ns	4
Water Treatment Equipment and Water Quality Requirements for Haemodialysis	Z364.2.2	ne	3
Transportable Mobility Aids	Z604	ne	5
Mobility Aid Securement and Occupant Restraint Systems	Z605	ne	4
Safety of Cells, Tissues and Organs for Transplantation and Assisted Reproduction	Z900.1	ns	4
Safety of Reproductive Tissues for Assisted Reproduction	Z900.2.1	ns	3
Safety of Tissues for Transplantation	Z900.2.2	ns	3
Safety of Perfusable Organs for Transplantation	Z900.2.3	ns	3
Safety of Ocular Tissues for Transplantation	Z900.2.4	ns	3
Safety of Lymphohematopoietic Cells for Transplantation	Z900.2.5	ns	3
Safety of Blood and Blood Components	Z902	ns	2
Low-pressure Hose Assemblies for Use With Medical Gases	Z5359	ne	2
Tracheal Tubes	Z5361	ne	2
Nonflammable Medical Gas Pipeline Systems—Part 1: Pipelines for Compressed Medical Gases and Vacuum	Z7396.1	ns	2
Sterilization of Health Care Products—Biological Indicators—Guidance for the Selection, Use, and Interpretation of Results	Z14161	ns	2
Mechanical Industrial Equipment			
Elevator and Escalator Electrical Equipment	B44.1	ne	4
Boiler, Pressure Vessel, and Pressure Piping Code	B51	ne	3
Cylinders, Spheres and Tubes for the Transportation of Dangerous Goods	B339	ne	5
Selection and Use of Cylinders, Spheres, Tubes, and Other Containers for the Transportation of Dangerous Goods, Class 2	B340	ne	5
Highway Tanks and Portable Tanks for the Transportation of Dangerous Goods	B620	ne	4



Status of CSA Standards Projects (cont'd)

SUBJECT	NUMBER	TYPE	STATUS
Mechanical Industrial Equipment (cont'd)			
Selection and Use of Highway Tanks, Portable Tanks, Cargo Compartments and Containers for the Transportation of Dangerous Goods, Classes 3, 4, 5, 6, 8, and 9	B621	ne	4
Selection and Use of Highway Tanks, Multi-Unit Tank Car Tanks, and Portable Tanks for the Transportation of Dangerous Goods, Class 2	B622	ne	4
Community and Personal Issues			
Barrier-Free Design	B651	ne	1
Accessible Transit Buses	D435	ns	5
Accessible Over-the-road Buses	D436	ns	4
Children's Playspaces and Equipment	Z614	ne	3
Occupational Health and Safety			
Industrial Lift Truck Operator Training	B335	ne	4
Elevating Rolling Work Platforms	B354.1	ne	2
Mast Climbers	B354.5	ns	3
Tractor Front-end Loader Safety	M682	ns	2
Definitions of Agriculture Field Equipment	M684	ns	3
Agricultural Wheeled Tractors–Rear-mounted Three-point Linkage–Part 1: Categories 1, 2, 3 and 4	M730-1	ns	3
Braking Systems–Performance Requirements and Test Procedures–Wheeled Machines	M3450	ne	5
Agricultural Tractors–Operator's Seating Accommodation–Dimensions	M4253	ns	H
Agricultural Wheeled Tractors–Operator's Seat–Laboratory Measurement of Transmitted Vibration	M5007	ne	3
Agricultural Tractor Seating–Measurement of Whole Body Vibration	M5008	ns	3
Agricultural Vehicles–Mechanical Connections on Towing Vehicles–Part 3: Tractor Drawbars	M6489-3	ns	3
Earth-moving Machinery–Product Identification Numbering System	M10261	ns	3
Machinery for Forestry–Self-propelled Machinery–Safety	M11850	ne	3
Agricultural Machinery–Agricultural Trailers and Trailed Equipment–Drawbar Jacks	M12140	ns	3
Machinery for Forestry–Log Loaders–Location and Method of Operation of Two-lever Operator Controls	M15078	ns	5
Portable Wooden Ladders	Z11.1	ns	1
Portable Metal Ladders	Z11.2	ns	1
Portable Reinforced Plastic Ladders	Z11.3	ns	1
Chain Saws	Z62.1	ne	4
Chain Saw Kickback	Z62.3	ne	2
Health and Safety Code for Suspended Equipment Operations	Z91	ne	5
Industrial Eye and Face Protectors	Z94.3	ne	4
Selection, Use, and Care of Respirators	Z94.4	ne	5
High-Visibility Safety Apparel	Z96	ns	5
Code for Punch Press and Brake Press Operation: Health, Safety, and Guarding Requirements	Z142	ne	4
Code for Tower Cranes	Z248	ne	4
Flexible Horizontal Lifelines	Z259.13	ns	3
Anchorage Connectors	Z259.15	ns	2
Fall Protection Systems Design Code	Z259.16	ns	2



Status of CSA Standards Projects (cont'd)

SUBJECT	NUMBER	TYPE	STATUS
Occupational Health and Safety (cont'd)			
Hyperbaric Facilities	Z275.1	ne	2
Safety Code for Diving Operations	Z275.2	ne	2
Competency Standard for Diving Operations	Z275.4	ne	5
Safeguarding of Machinery	Z432	ne	2
Industrial Robots and Robot Systems–General Safety Requirements	Z434	ne	4
Riot Helmets and Faceshields	Z611	ne	5
Coding of Work Injury or Disease Information	Z795	ne	5
Scaffolding Guidelines	Z797	ns	2